NOVAPPLE Newsletter

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VOLUME VII - NUMBER 9 NORTHERN VIRGINIA APPLE USERS GROUP DECEMBER 1987

SIR-TECH COMING TO NOVAPPLE!!

Good news! We have invited the software company SIR-TECH to come give a presentation at one of our meetings. Due to the SIR-TECH representaattend one of our regular meetings, so we will be having a special meeting on Wednesday, March 30, 1988 in place of our regular Wednesday meeting in March. Ms. Brenda Garno, the SIR-TECH rep, wants some input from our members on what they would like to see. She is especially interested in hearing if there are any members that have completed some of the levels in Wizardry. Let's give Ms Garno all the support we can.

--NoVAC

PROGRAM CHAIRMAN OPENING!!

We now have a vacancy on the position of Program Chairman (Apple II) for our meetings. This is a job that doesn't take very much time but does require an interest on the Apple II computer and spending some time in coordinating the programs that are scheduled for our meeting. All of Novapple has to give a big thanks to Ernie Philipp, the person that held that position in the past, but now the job must pass to someone new. Won't you help? If you have any interest at all in helping with presentations at meetings, call Dave Harvey at 578-4621 (h) or 692-2489 (w) to discuss it further.

--NoVAC

COOL SIDER...
By Chuck Edmiston

"OUCH!! Dama that's warm!" Was my first thought after I touched the side of my new Sider Hard Disk Drive by First Class Peripherals. After the formating the drive, loading files into the different volumes, and just playing around with it, I decided to take a break. I reached over and touched the front sides of the Sider and it was WARM!! Reading the manual, it stated "The Sider doesn't have a cooling fan; it maintains its operating temperature by convection cooling." I had the Sider running on an Apple IIe with a System Saver Fan blowing out air on the left side of the apple. So I moved the hard drive over next to the fan and after a half hour the drive felt fine. The fan from the system saver not only kelt my apple cool but the Sider too.

But a few weeks later, the drive was still just abit warm to my touch. The drive needed a cooling fan of its own. Well the system saver fan has two AC outlets in the back so I just needed a small AC fan to rest on top of the Sider to cool it. I made a short visit the Radio Shack and found a 4 inch cooling fan, large square stick-on rubber feet, AC wire and plug, and wire sleeve connectors. Using the wire connectors, I made an extention on the cooling fan's wires and plugged them into the system saver. I placed the fan on top of the Sider with the air being pulled through the drive then up and out of the fan. I cut the rubber feet in half and stuck them to the bottom of the fan to keep it from slipping off the top of the drive. That's it. I've had running cool Sider ever since then.

--NoVAC

SELECTED PORTIONS OF MAC NOTES BY ANDY REESE,
Apple Corps of Dallas.

The pains with the Mac II are finding the various incompatibilities and problems that may come up. Most all of the software I use on a regular basis works fine, after making modifications. MS WORKS requires a simple patch and it runs like a champ. The paint programs (MacPaint, Fullpaint, Superpaint) will only run in black and white (2 bits per pixel) mode. Not may applications have the capability to use color, but there is a System utility called Kolor that allows you to change the color of the menus, dialog boxes, buttons, high lighted text, and various other screen items. It is getting difficult to accept the standard black and white screen after getting used to color. I think Dave Winer of Living Videotext was right when he said the Mac II is a R... lust machine. And some of us are too weak, we give in to easily.

HyperCard

An interesting comment about HyperCard. Did you notice there was very little mentioned about the program prior to release. It seems that describing what the program does was so difficult, the press was reluctant to write about it. Chris Espinosa summed it up pretty well during a panel discussion in Boston. Apple created HyperCard buttons to wear to promote the product. The slogan on the buttons says RHyperCard ... Freedom to Associate. Chris said that at one point they thought of having it say RHyperCard ... You figure it out.

Navigator

Figuring out Compuserve can be a time consuming and expensive process. Not anymore. Enter Navigator. A $40 shareware program that guides you through Compuserve sessions with ease. Navigator lets you setup those forums, message sections and data libraries that you want to visit. Once setup, one click on RUN and it will do all the work. It dials, logs on, checks Easyplex for messages, goes to the forums you have specified, reads those messages or library descriptions and then logs off. It is very fast and efficient.

After the session is complete, you can read the information at your own pace. You can respond to individual messages while offline, specify what files to download, then run it again to send the messages and get the files. It is so simple compared to creating your own macros with a communications package. Since I have started using Navigator, my on line time has gone down while I have been able to post more messages and retrieve more information. Those of you who visit Compuserve have to try this program. It is on one of our public domain disks.

CONTINUED ON PAGE 7

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Clinton Computer, the Metro area's largest independent retail computer dealer, now has five stores -- in Clinton, Rockville and Laurel, MD, and in Vienna and Alexandria, VA. We are authorized dealers for Apple™ microcomputers at all five locations.

In addition, our Clinton and Alexandria stores are authorized IBM™ Personal Computer dealerships. We also sell printers, monitors, software, supplies, and service.

Clinton Computer was founded in 1978 by co-owners Art Lundquist and Chuck Perilli. It began as a two-man consulting firm and has grown into a multi-million-dollar retail business.

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"APPLE II GS SYSTEM DISK 3.1"
By Nancy Harvey

Files on the new Apple IIGS System Disk 3.1 are listed in alphabetic order below. This disk issued September 1987 is a major change from previous system disks. Desk Top II has been replaced by Finder 1.0. The System Utilities program is expanded, a clipboard has been added, tools have been revised and the Desk accessories are gone.

Information appears in the following order: Filename, File Type,.File Size, Prodos Pathname, Create date, Modify date and any descriptive information.

APPLETALK DIR 512 /SYSTEM.DISK
Create:: Sep 19 87 Modify:: Jul 23 87

APPLETALK $BB 2073 /SYSTEM.DISK/SYSTEM/DRIVERS
Create:: Jul 12 87 Modify:: Jul 12 87

ATINIT $E2 7459 /SYSTEM.DISK/SYSTEM/SYSTEM.SETUP
Create:: May 8 87 Modify:: May 8 87
Setup code for Appletalk.

ATLOAD.O $B6 512 /SYSTEM.DISK/SYSTEM/SYSTEM.SETUP
Create:: May 8 87 Modify:: May 8 87
Setup code for Appletalk.

BASIC.LAUNCHER SYS 915 /SYSTEM.DISK
Create:: Jul 12 87 Modify:: Jul 12 87

BASIC.SYSTEM SYS 10240 /SYSTEM.DISK
Create:: Jun 18 84 Modify:: Dec 2 86
The old Applesoft basic with no special support for IIgs. A new GS BASIC version 1.0b4 is available for Prodos 16. Cost $50.00. It supports SANE numerics, structured programs, IIgs tools via a high level symbolic interface, and expanded memory. Sample programs included for desktop style applications. GS Basic requires 512K RAM.

CHOOSER.O BIN 33020 /SYSTEM.DISK/APPLETALK
Create:: May 8 87 Modify:: May 8 87

CHOOSER.II SYS 761 /SYSTEM.DISK/APPLETALK
Create:: May 8 87 Modify:: May 8 87

COPY.ME BAS 36 /SYSTEM.DISK
Create:: Jul 16 87 Modify:: Jul 16 87

COURIER.10 $C8 2482 /SYSTEM.DISK/SYSTEM/FONTS
Create:: Nov 27 86 Modify:: May 5 87

COURIER.12 $C8 2802 /SYSTEM.DISK/SYSTEM/FONTS
Create:: Nov 27 86 Modify:: May 5 87

DESK.ACCS DIR 512 /SYSTEM.DISK/SYSTEM
Create:: Sep 27 87 Modify:: Jul 23 87
Empty on the present system disk. This is where Classic Desk Accessories(CDA) type $89 and New Desk Accessories (NDA) type $88 are installed.

DIALOG.ICONS $CA 3554 /SYSTEM.DISK
Create:: Apr 9 87 Modify:: Apr 9 87

DRIVERS DIR 512 /SYSTEM.DISK/SYSTEM
Create:: Sep 19 87 Modify:: Jul 23 87

FASTCOPY.SYSTEM SYS 19910 /SYSTEM.DISK/SYS.UTILS
Create:: Jul 17 87 Modify:: Jul 17 87
Version 1.0. Copies and compares disks fast. Uses an auto eject. When you quit the fastcopy system the IIgs reboots.

FINDER $B3 51599 /SYSTEM.DISK/SYSTEM
Create:: Jul 22 87 Modify:: Jul 22 87
Version 1.0 by Don Oliver and Cheryl Ewy. Caution - there are reports of corrupted files when using the finder. Finder replaces the Apple II Desktop. The old Desk Accessories on your earlier disks are now gone.

Using the Finder. When you copy using the finder, If you hold down the option key as you drag source disk icon to the target icon a dialog box will appear offering you other disk copy options. To prevent an inactive window from becoming active, hold down the Apple key when you are dragging the window. To deselect a selected icon or to select an unselected icon, hold down the shift key and click on the icon.

FINDER.DATA $C9 392 /SYSTEM.DISK
Create:: Sep 27 87 Modify:: Sep 17 87
Appears under every top level directory on system disk.

FINDER.DATA $C9 260 /SYSTEM.DISK/SYSTEM
FINDER.DATA $C9 150 /SYSTEM.DISK/SYS.UTILS
FINDER.DATA $C9 172 /SYSTEM.DISK/APPLETALK
FINDER.DATA $C9 62 /SYSTEM.DISK/ICONS
FINDER.DATA $C9 128 /SYSTEM.DISK/SYSTEM/SYSTEM.SETUP
FINDER.DATA $C9 304 /SYSTEM.DISK/SYSTEM/TOOLS
FINDER.DATA $C9 62 /SYSTEM.DISK/SYSTEM/DESK.ACCS
FINDER.DATA $C9 172 /SYSTEM.DISK/SYSTEM/DRIVERS
FINDER.DATA $C9 260 /SYSTEM.DISK/SYSTEM/FONTS

FINDER.DEF $C9 82 /SYSTEM.DISK
Create:: Sep 19 87 Modify:: Sep 19 87

FINDER.ICONS $CA 10546 /SYSTEM.DISK/ICONS
Create:: Jul 7 87 Modify:: Jul 7 87

FINDER.ROOT $C9 8 /SYSTEM.DISK
Create:: Sep 27 87 Modify:: Sep 27 87

FONTS DIR 512 /SYSTEM.DISK/SYSTEM
Create:: Sep 19 87 Modify:: Jul 23 87

GENEVA.10 $C8 2221 /SYSTEM.DISK/SYSTEM/FONTS
Create:: Nov 27 86 Modify:: May 5 87

GENEVA.12 $C8 2755 /SYSTEM.DISK/SYSTEM/FONTS
Create:: Nov 27 86 Modify:: May 5 87

HELVETICA.10 $C8 2418 /SYSTEM.DISK/SYSTEM/FONTS
Create:: Nov 27 86 Modify:: May 7 87

HELVETICA.12 $C8 3000 /SYSTEM.DISK/SYSTEM/FONTS
Create:: Nov 27 86 Modify:: May 7 87

ICONS DIR 512 /SYSTEM.DISK
Create:: Sep 19 87 Modify:: Jul 23 87

IMAGEWRITER $BB 24095 /SYSTEM.DISK/SYSTEM/DRIVERS
Create:: Jul 13 87 Modify:: Jul 13 87

IWEM TXT 29471 /SYSTEM.DISK/APPLETALK
Create:: Jun 26 87 Modify:: Jun 26 87

LASERPREP TXT 28098 /SYSTEM.DISK/SYSTEM/DRIVERS
Create:: Feb 20 87 Modify:: Mar 20 87

LASERWRITER $BB 26138 /SYSTEM.DISK/SYSTEM/DRIVERS
Create:: Jul 12 87 Modify:: Jul 12 87

LAUNCHER $B3 5162 /SYSTEM.DISK/SYSTEM
Create:: Jul 12 87 Modify:: Jul 12 87
Selecting this file brings up the Program Launcher screen.

MODEM $BB 1593 /SYSTEM.DISK/SYSTEM/DRIVERS
Create:: May 13 87 Modify:: May 13 87

MTXABS.O BIN 15322 /SYSTEM.DISK/APPLETALK
Create:: Nov 25 86 Modify:: Nov 25 86

CONTINUED ON PAGE 5

NAMER.0 BIN 27368 /SYSTEM.DISK/APPLETALK
Create:: Nov 27 86 Modify:: Nov 27 86

NAMER.II SYS 738 /SYSTEM.DISK/APPLETALK
Create:: Nov 27 86 Modify:: Nov 27 86

P16 $F9 37830 /SYSTEM.DISK/SYSTEM
Create:: Jul 14 87 Modify:: Jul 14 87
Prodos version 1.3. Works on GS only. A Prodos 16 boot is required for IIGs tools to work properly in P8 or P16 applications.

P8 SYS 15485 /SYSTEM.DISK/SYSTEM
Create:: Apr 17 87 Modify:: Apr 17 87
Prodos version 1.4. Can be used on Apple IIc, IIe and IIgs.

PRINTER $8B 1572 /SYSTEM.DISK/SYSTEM/DRIVERS
Create:: May 13 87 Modify:: May 13 87

PRINTER.SETUP BIN 96 /SYSTEM.DISK/SYSTEM/DRIVERS
Create:: Sep 19 87 Modify:: Sep 19 87

PRODOS SYS 19200 /SYSTEM.DISK
Create:: Jul 14 87 Modify:: Jul 14 87
Not really Prodos, just a start file.

SHASTON.16 $C8 5462 /SYSTEM.DISK/SYSTEM/FONTS
Create:: Apr 22 87 Modify:: Apr 22 87

SOUND.INIT $B6 512 /SYSTEM.DISK/SYSTEM/SYSTEM.SETUP
Create:: Aug 27 87 Modify:: Aug 27 87

START $B3 273 /SYSTEM.DISK/SYSTEM
Create:: Jul 13 87 Modify:: Jul 13 87
Program Launcher file. P16 looks for this file under the name start. If no start file is found P16 runs the next program in root directory named sys.16 (Type $B3). Unless a program ending in the name .system is found first. In this case P16 reverts to P* and runs the .system program. Launcher requires 150k memory.

SYS.UTILS DIR 512 /SYSTEM.DISK
Create:: Sep 19 87 Modify:: Jul 23 87

SYSTEM DIR 1024 /SYSTEM.DISK
Create:: Sep 27 87 Modify:: Jul 23 87

SYSTEM.SETUP DIR 512 /SYSTEM.DISK/SYSTEM
Create:: Sep 19 87 Modify:: Jul 23 87

SYSUTIL.SYSTEM SYS 765 /SYSTEM.DISK/SYS.UTILS
Create:: Jul 17 87 Modify:: Jul 17 87
Version 3 offers a faster easier file/disk copy, requires 512k ram. Can format disk in Prodos or Pascal. Copies files from Prodos to Dos 3.3 and vice versa. Catalogs Prodos, Pascal, Dos 3.3, 3.2 and CP/M disks. Disk can be cataloged by slot/drive or Prodos Path name. Catalog lists only the top level of files from the point prefixed.

TIMES.10 $C8 2414 /SYSTEM.DISK/SYSTEM/FONTS
Create:: Nov 27 86 Modify:: May 11 87

TIMES.12 $C8 2824 /SYSTEM.DISK/SYSTEM/FONTS
Create:: Nov 27 86 Modify:: May 11 87

TOOL.SETUP $B6 33956 /SYSTEM.DISK/SYSTEM/SYSTEM.SETUP
Create:: Jul 15 87 Modify:: Jul 15 87
Provides RAM based tool fixes and extensions of ROM tools. File is required for proper use of ROM tools. Loaded only via a P16 boot.

TOOL014 $BA 13802 /SYSTEM.DISK/SYSTEM/TOOLS
Create:: Jul 15 87 Modify:: Jul 15 87
Window Manager

TOOL015 $BA 7897 /SYSTEM.DISK/SYSTEM/TOOLS
Create:: May 12 87 Modify:: May 12 87
Menu Manager

TOOL016 $BA 7329 /SYSTEM.DISK/SYSTEM/TOOLS
Create:: Aug 27 87 Modify:: Aug 27 87
Control Manager

TOOL018 $BA 14845 /SYSTEM.DISK/SYSTEM/TOOLS
Create:: Jul 12 87 Modify:: Jul 12 87
QuickDraw Auxziliary Routines

TOOL019 $BA 7252 /SYSTEM.DISK/SYSTEM/TOOLS
Create:: Jul 12 87 Modify:: Jul 12 87
Print Manager

TOOL020 $BA 7067 /SYSTEM.DISK/SYSTEM/TOOLS
Create:: May 9 87 Modify:: May 9 87
Line Edit.

TOOL021 $BA 12415 /SYSTEM.DISK/SYSTEM/TOOLS
Create:: Jul 12 87 Modify:: Jul 12 87
Dialog Manager.

TOOL022 $BA 2761 /SYSTEM.DISK/SYSTEM/TOOLS
Create:: May 13 87 Modify:: May 13 87
Scrap Manager

TOOL023 $BA 11249 /SYSTEM.DISK/SYSTEM/TOOLS
Create:: May 12 87 Modify:: May 12 87
Standard File Operations.

TOOL025 $BA 5483 /SYSTEM.DISK/SYSTEM/TOOLS
Create:: May 13 87 Modify:: May 13 87
Note Synthesizer

TOOL027 $BA 11010 /SYSTEM.DISK/SYSTEM/TOOLS
Create:: Jul 12 87 Modify:: Jul 12 87
Font Manager.

TOOL028 $BA 3170 /SYSTEM.DISK/SYSTEM/TOOLS
Create:: Jul 12 87 Modify:: Jul 12 87
List Manager.

TOOLS DIR 1024 /SYSTEM.DISK/SYSTEM
Create:: Sep 19 87 Modify:: Jul 23 87
RAM based tools, loaded as needed. Printed notes released with this system disk document new tool calls not found in current release of Apple IIgs Tool Box References.

UTIL.0 BIN 43776 /SYSTEM.DISK/SYS.UTILS
Create:: Jul 17 87 Modify:: Jul 17 87

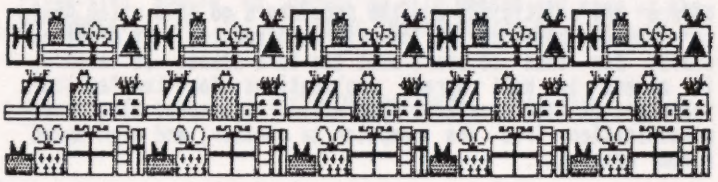
UTIL.1 BIN 31152 /SYSTEM.DISK/SYS.UTILS
Create:: Jul 17 87 Modify:: Jul 17 87

UTIL.2 BIN 1177 /SYSTEM.DISK/SYS.UTILS
Create:: Jul 17 87 Modify:: Jul 17 87

VENICE.14 $C8 3625 /SYSTEM.DISK/SYSTEM/FONTS
Create:: Nov 27 86 Modify:: May 11 87

--NoVA

MERRY CHRISTMAS



SCHEDULE OF UPCOMING EVENTS

REGULAR GENERAL MEMBERSHIP MEETINGS

1st Saturday -- Room 110 or 120, Bisdorf Bldg, Alex Campus NoVA CC - 10:00 AM
3rd Wednesday -- Room No.1, FAIRLINGTON COMMUNITY CENTER
3300 S. Stafford Street in Arlington - 7:30 PM

Saturday	Dec	5	10:00 AM	NVCC	Music and Graphics
Wednesday	Dec	16	7:30 PM	FCC	Apple Catch-All...
Saturday	Jan	2	10:00 AM	NVCC	Open Meeting Schedule
Wednesday	Jan	20	7:30 PM	FCC	Open Meeting Schedule

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DON'T BLAME 'INHUMAN MACHINES' FOR STOCK MARKET'S BLACK MONDAY
BY T.R. Reid

Wouldn't you know they'd blame a computer? Even before the final bell had rung on Wall Street's "Black Monday," the instant analysts were rounding up suspects to blame for the 508-point drop that marked the biggest one-day decline in the history of the stock market. Not surprisingly, one of the chief culprits was that all-purpose electronic scapegoat of the age, the computer. The crash was the result of "computerized panic," The Wall Street Journal said. The president of the Pacific Stock Exchange blamed the market's disastrous day on "inhuman machines."

It's true that major financial institutions have been using computers to assist them in pursuing complex market strategies known as "program trading" or "computer-assisted trading." And it is not only the Wall Street giants who use computers to play the markets. There are also all sorts of stock market programs and information banks - some of them awesomely sophisticated - available to investors equipped with nothing more than a personal computer like the one that you have on your desk.

But the suggestion that computers caused, or even contributed to, the crash reflects a fundamental misunderstanding of the role of the computer in our modern world.

The computer is a tool, on a par with other tools like the pencil, the screwdriver and the diskwasher. It can do only what humans make it do. It can enhance human feats and foibles, but it does not cause them. To say that the computer caused the Wall Street crash is roughly akin to saying the screwdriver caused World War II. After all, the Japanese used screwdrivers to build their bombers, and without bombers there would have been no Pearl Harbor raid, and so on.

Before the politicians and the regulators go on a witch hunt to slay the beast called "computerized trading," it might be useful for them to learn what the term means. In essence, it refers to Wall Street applications for two familiar features of the computer revolution: high-speed electronic communication from one computer to another, and high-speed number crunching.

The computers can be programmed to ring bells or flash lights to signal the optimum time to sell a particular contract on certain exchange. But these "inhuman machines" don't decide when to buy or sell, any more than an alarm clock decides when you should wake up. The clock and the computer ring their bells only because some person has programmed them to do so under a given set of conditions.

Not many individual investors find it worthwhile to spend the time and money to set up the same intricate program trading functions. But hundreds of thousands of personal computer owners use their machines to track and analyze market data. The opportunities available, even on simple home computers, are stunning.

Lotus, the big Cambridge, Mass., firm that publishes one of the world's most popular programs, 1-2-3, offers a long list of investor-support products. For the trader who has to know what's going on in the market every second, there is Lotus Signal. Signal is part hardware - an FM receiver that hooks into the modem port of any MS-DOS computer - and part software - a program that pulls market quotes out of the receiver and can manipulate the numbers. Signal, for example, can ring an alarm if shares of XYZ Corp. drop below 20; it can give you minute-by-minute recalculation of your toatl portfolio as its value fluctuates with market swings.

For the investor who doesn't need "real-time" (that is, instantaneous) market data, Lotus sells a weekly financial data service called "One-Source." The One-Source subscriber gets a Federal Express package each Monday morning with a CD-ROM disk full of securities data. Data from Signal and One-Source are distributed in a form that makes it easy to plug them into 1-2-3, letting an investor manipulate the numbers as needed.

These Lotuis services are not cheap, but a lot of serious investors find them worth the cost. For the investor on a buget, an outfit called Compustock (Box 130, Bountiful, Utah, 84014) offers somewhat less ambitious market data service at a fairly low price. Compustock is a financial data-crunching program, permitting a broad range of manipulations and comparisons of corporate and market figures. The program cost $60; for another $200 a year, you get monthly updates (mailed on floppy disk) of performance figures on a group of stocks of your choice.

--NoVAC

MAC NOTES

FROM PAGE 1

Suitcase

Last month I mentioned the program Suitcase which I said every Mac owner (with a hard disk) should have. Let me explain how the program works. Suitcase allows you to install all your desk accessories and fonts in a Font/DA file rather than the system file. This makes updating your system much easier. My system file (version 4.1) is only 183k in size. It has one desk accessory and only the required system fonts. I have a Font/DA file for desk accessories which is over 500k and can contain virtually an unlimited number of desk accessories. Then there is the Font/DA file for Fonts which is 1.2 meg on the hard disk.

Again, it can contain virtually an unlimited number of fonts. Suitcase is an INIT file, that is you put it in the system folder and starting the Mac, it will load the fonts and desk accessories located in the files I mentioned above. You can add or open desk accessories that are stored as DA files any time you want, without having to use the Font/DA mover. Fonts can also be added while working in programs, although you need to be careful with this approach (too detailed to explain here).

Many of you have asked how to get Suitcase. The dealers in town do not have it, but you can order it direct from the publisher at: Software Supply, Sunnyvale, CA (408)/749-9311. I believe the cost of the program is $59. It also includes a great screen blanker called Pyro. Whenever there is no activity on the Mac for a period of two minutes (you can change the amount of time), the screen will turn blank and fireworks will appear. The purpose of the fireworks is just to let you know the Mac is still turned on. On the Mac II, the fireworks are in color.

MultiFinder, when it is available, may replace some of the features of Suitcase, as MultiFinder will allow you to open desk accessories that are not in the system file. But Suitcase is still a useful tool, as you can store all your desk accessories or fonts in one file.

Upgrades

I have heard rumbling in the ranks since HyperCard and MultiFinder were announced. It seems that many 512k Mac owners are in a dilemma as to what to do since both programs require a minimum of one meg of ram. In addition, MultiFinder is not effective unless you have two megs of ram or more. Is this a conspiracy between Apple and the memory micro chip makers (mmm for short)? I donUt think so. In order for HyperCard and MultiFinder to do all that they were designed to do, they need the memory. The alternative would be to cut out features and cripple the programs to work on 512k. As we are all finding out, Apple is opting for more features over maintaining compatibility with the past Mac configurations. Yes it is annoying, but once you realize the power of these new applications, you will be glad you updated. Now what do you do?

If you have a 128k Mac Sell it. That is the best advise I can give. The problem with power supplies (video board to be accurate) failing, it will probably be just a matter of time before you have to replace the existing power supply. There are some dealers who will take trade-ins when you buy a new Macintosh. Current market price for 128k Macs is between $500 and $700.

If you have a 512k Mac with 400k disk drive Your best bet is to follow the same advice as with the 128k Mac, sell it or trade it in. However, you are not limited to this option. You can upgrade to a semi-MacPlus. First you need to get the ROM/disk drive upgrade installed by a dealer. This will run around $300. Then you will need a third party memory upgrade to bring the machine up to one meg of ram. You could go ahead and upgrade to 2 or more megs of ram if you want. Ram upgrades run anywhere from $300 to $1000 depending on the amount of memory. With one meg of memory, you now have a semi-MacPlus. All you are missing is a SCSI port, which are also available from third party vendors for about $100. But when you add these up, $300 for the ROM/disk drive, $300 for one meg of memory, and $100 for the SCSI port, that is $700. Your 512k is worth about $800. The street price for the Mac Plus is now around $1600, which will get you new equipment (i.e. upgraded power supply), all the new system software (including HyperCard), and a 90 day warranty. That is why it may be a better alternative to sell or trade in your existing machine for a new Mac Plus. Note that the Mac Plus has different cable connections, so you will have to purchase cable adaptors to use your existing cables.

If you have a 512k Mac with 800k disk drive. The options here are very similar to the 512k Mac with 400k disk drives. You can upgrade the memory for $300-$1000 depending on how much you add. A SCSI port, which you will want if you get a hard disk, will run $100 from third party vendors. This will give you the functionality of the Mac Plus and allow you to run many of the programs now requiring one meg of ram.

If you have a Mac Plus or SE. All you need here is a memory upgrade. Both these machines use SIMMS (which stands for single inline mounted memory or something similar to that) that can easily be replaced. Currently these machines come with four 256k SIMMS giving you one meg of ram. You can replace them with one meg SIMMS to get a range of memory from 2.5 megs to 4 megs. 4 Megs of memory is overkill unless you plan to load up MultiFinder. Best upgrade path is from 2 to 2.5 megs. This will run from $600 to $1000. The Apple memory upgrades are very expensive. Many third parties offer excellent products at reasonable prices. I have heard good things about Dove memory upgrades, and they are also available from MacMemmory and Levco.

What if I decide to trade in? If you decide to trade in your current computer, you now face the question: do I go for the Mac Plus or the SE? (We will keep the Mac II out of the discussion) If you are on a very limited budget, then the Mac Plus is the best route. However, I usually recommend the SE. The SE is relatively new, has a slot for expansion capabilities, and is 25% faster than the Mac Plus. The two floppy drive model is going for $2100 on the street. You can add a hard disk either internally or externally as you can afford it. The Apple 20meg internal hard disk is a good drive, but many third party vendors have drives that are much cheaper, faster, have more disk storage capacity, and contain good backup software. Check out the options on hard disks before you buy an SE with a built in 20 meg drive.

Should I look at the Mac II? Again, it is a lust machine. If you look at it too long, you will end up selling your car to buy it. Walking is not fun. The Mac II is still in heavy demand and short supply in some areas. Apple is noted for high prices on new products, although the dealers do discount substantially. I expect that the price will fall sometime toward the end of the first quarter next year.

Production should be caught up with demand and many of the peripheral items (i.e. color monitors and memory) will be

CONTINUED ON PAGE 8

INCREASE IN DUES BEING PLANNED

By Dave Harvey

At the last meeting of the Novapple board, it was proposed that a dues increase was necessary due rising expenses of running the club and the decreasing income that we have, in the past, received from a number of sources. These sources of income have been from the disk library, group purchachases, advertising, all of which for the most part have dried up. The only one generating any sort of income is from the advertising in the newsletter. Group purchases have more or less dried up due to increased competition from mail order discount compariety of products that are now available. Another example is newsletter ads. A quick look at a newsletter from 1983 indicated that we had quite a few advertisers then. We're now down to two, VF Associates and Clinton Computer.

Meanwhile our costs for running Novapple have increased. One area is the newsletter. The size of the newsletter has increased with the average number of pages in each issue now being about 19 or 20. Costs of printing and mailine in size. We are now providing more services to our members such as the BBS, hard copy library and distributing of information from Compuserve, AppleLink, newsletter exchanges and other printed sources.

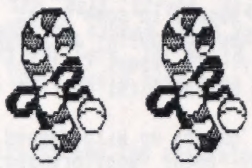
Over the years since Novapple was first formed, the membership dues have gradually increased. When Novapple was originally founded in 1981, the dues were $12.00. Then in July of 1983 they were raised to $15.00. The board has proposed that they now be raised to $20.00 a year. The student rate will also be increased to $10.00 per year. Originally the student rate was set up in 1981 and was voted to be half of the regular membership dues rate. This proposed increase will again make student dues one half of regular dues.

Based on our past history, it's about time for a dues increase, if Novapple is to continue to provide you with the services you have come to expect and use. We maintain a large library of public domain disks that will an Pat Herlands. For our hard copy library, that also continues to grow with books, newsletters from other user groups, magazines, video and audio tapes, booklets on a variety of subjects such as detailed schematics of Apple computers and peripherals and the latest technical notes from Apple Computer on the Apple II and Macintosh series of computers. Much of the data that's in our hard copy library is now available for downloading on our new messageing and conferenceing system, Pro-Novapple.

Our answering machine service provides members with up-to-date information about our next meeting as well as being a place that new Apple owners can call to find out about joining Novapple and where our meetings are held.

So at the January, 1988 meeting of the board, your officers will be voting on the dues increase. If you have any opinions pro or con, I encourage you to convey them to me or your other officers, either at one of the regular meetings or by phone.

--NoVA



The officers and News Crew of NOVAPPLE would like to wish everyone a Merry Merry Christmas and Happy New Year!!

MAC NOTES FROM PAGE 7

available. A basic Mac II configuration will cost a minimum of $5,000. Add in hard disk, 5 megs of memory, color monitor, extended keyboard and we are talking $10,000. Obviously this is not a personal computer for the home. It is a serious business and productivity machine. The biggest problem I have found is that it is not portable at all. Teardown and setup are a chore. Don't think this is the type machine that you can transport to and from the office everyday. Not unless you are a weight lifter.

Well I hope that this little review has helped many of you who have asked about upgrading. Please do not get the impression that you have to upgrade or buy a new computer. The 512k Mac with 800k drives still has at least two more years of life before it will be obsolete. You will not be able to run all the software that is coming out unless you do upgrade to one meg of memory. I would estimate that Apple will drop the Mac Plus from their line up sometime in the forth quarter of 88. That still gives it a longer life than any of the previous Macs. The Mac Plus will be two years old in January. Seems like it was just yesterday that Jean Louis Gassee introduced it. My how time flys when you buy computers.

--NoVA

FROM APPLELINK TECH FILES
IIGS System Disk: Overview

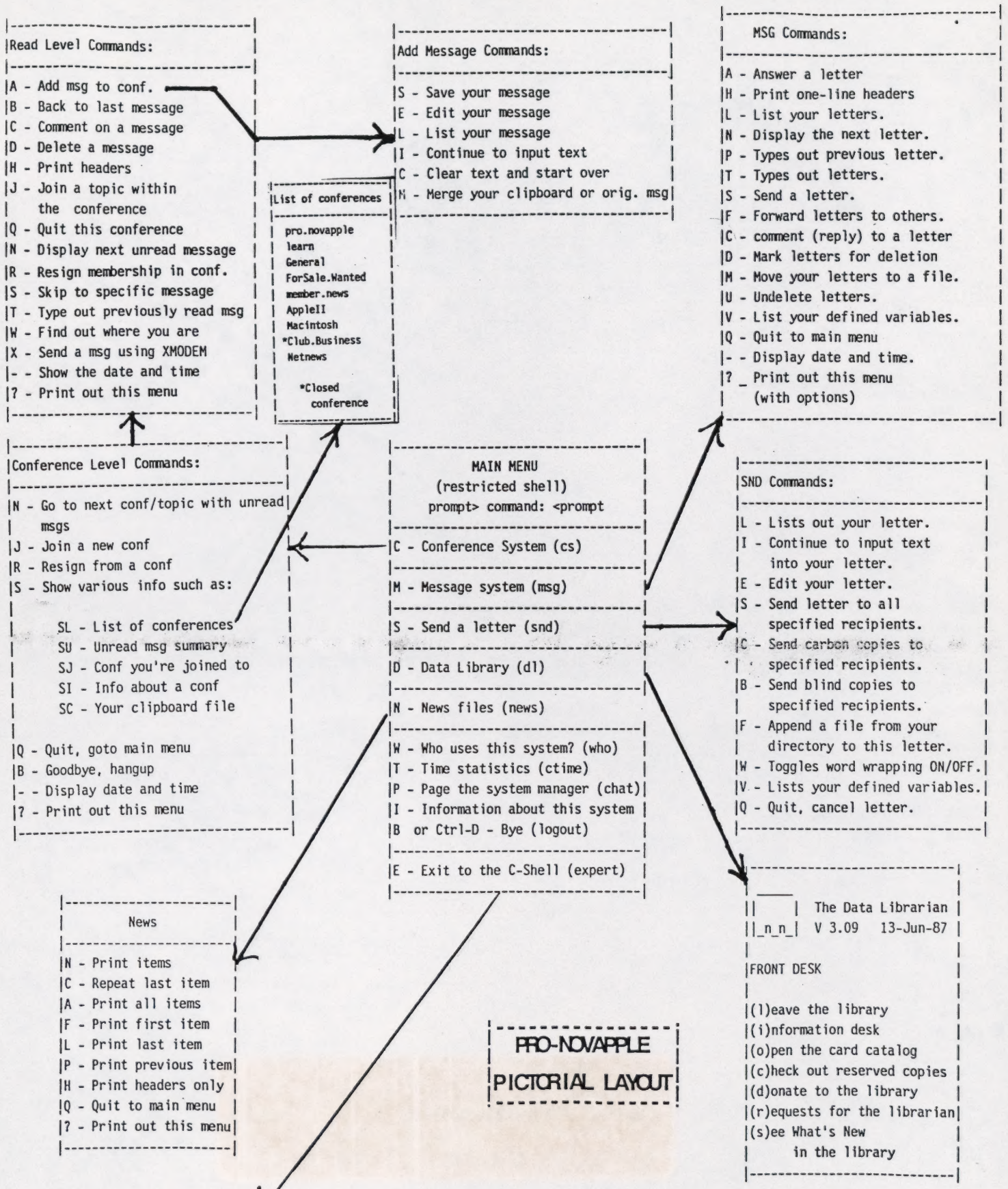
Every Apple IIGS user needs at least one complete system disk. This disk is shipped with every Apple IIGS system, and is provided on an 800K, double-sided, 3.5 inch disk; the complete set of files will not fit on a 5 1/4" disk.

CONTENTS OF A COMPLETE APPLE IIGS SYSTEM DISK

DIRECTORY/FILE	DESCRIPTION
PRODOS	A routine that loads the proper operating system and selects an application, both at boot time and whenever an application quits.
SYSTEM/	A sub-directory containing the following files:
P8	ProDOS/8 operating system kernel and loader.
P16	ProDOS/16 operating system kernel.
LOADER	The Apple IIGS System Loader.
START	The Apple IIGS Finder.
LIBS/	a sub-directory containing the standard system libraries.
TOOLS/	a sub-directory containing all tools.
FONTS/	a sub-directory containing all fonts.
DESK.ACCS/	a sub-directory containing all desk accessories.
SYSTEM.SETUP/	a sub-directory containing system initialization programs.
TOOL.SETUP	a load file containing pat a program to install them. This is the only required file in the SYSTEM.SETUP sub-directory; it is executed before any others in the sub-directory.
BASIC.SYSTEM	The Applesoft BASIC system interface program.

These are all of the programs that come on a standard and complete System disk.

--NoVA


Read Level Commands:
A - Add msg to conf.
B - Back to last message
C - Comment on a message
D - Delete a message
H - Print headers
J - Join a topic within the conference
Q - Quit this conference
N - Display next unread message
R - Resign membership in conf.
S - Skip to specific message
T - Type out previously read msg
W - Find out where you are
X - Send a msg using XMODEM
- - Show the date and time
? - Print out this menu
Add Message Commands:
S - Save your message
E - Edit your message
L - List your message
I - Continue to input text
C - Clear text and start over
M - Merge your clipboard or orig. msg
MSG Commands:
A - Answer a letter
H - Print one-line headers
L - List your letters.
N - Display the next letter.
P - Types out previous letter.
T - Types out letters.
S - Send a letter.
F - Forward letters to others.
C - comment (reply) to a letter
D - Mark letters for deletion
M - Move your letters to a file.
U - Undelete letters.
V - List your defined variables.
Q - Quit to main menu
- - Display date and time.
? _ Print out this menu (with options)
List of conferences
pro.novapple
learn
General
ForSale.Wanted
member.news
AppleII
Macintosh
*Club.Business
Netnews
*Closed conference
Conference Level Commands:
N - Go to next conf/topic with unread msgs
J - Join a new conf
R - Resign from a conf
S - Show various info such as:
SL - List of conferences
SU - Unread msg summary
SJ - Conf you're joined to
SI - Info about a conf
SC - Your clipboard file
Q - Quit, goto main menu
B - Goodbye, hangup
- - Display date and time
? - Print out this menu
MAIN MENU
(restricted shell)
prompt> command: <prompt
C - Conference System (cs)
M - Message system (msg)
S - Send a letter (snd)
D - Data Library (dl)
N - News files (news)
W - Who uses this system? (who)
T - Time statistics (ctime)
P - Page the system manager (chat)
I - Information about this system
B or Ctrl-D - Bye (logout)
E - Exit to the C-Shell (expert)
SND Commands:
L - Lists out your letter.
I - Continue to input text into your letter.
E - Edit your letter.
S - Send letter to all specified recipients.
C - Send carbon copies to specified recipients.
B - Send blind copies to specified recipients.
F - Append a file from your directory to this letter.
W - Toggles word wrapping ON/OFF.
V - Lists your defined variables.
Q - Quit, cancel letter.
News
N - Print items
C - Repeat last item
A - Print all items
F - Print first item
L - Print last item
P - Print previous item
H - Print headers only
Q - Quit to main menu
? - Print out this menu
The Data Librarian
V 3.09 13-Jun-87
FRONT DESK
(l)eave the library
(i)nformation desk
(o)pen the card catalog
(c)heck out reserved copies
(d)onate to the library
(r)equests for the librarian
(s)ee What's New in the library
PRO-NOVAPPLE
PICTORIAL LAYOUT
MAJOR COMMANDS OF THE C-SHELL: PROMPT> % <PROMPT
cat - read a file | cd - change working directory | cs - conference system | edit - edit a text file | help - get help | logout - terminate connection | ls - catalog disk | man - display pages from system manual | msg - message system | news - system news | passwd - change your password | play - play a game | rsh - go back to main menu | set, unset - set or unset shell variables | stty - set terminal options | xmodem - file transfer utility |

Note: Many commands allow you to specify options. See Quick reference chart.

NORTHERN VIRGINIA COMMUNITY COL.

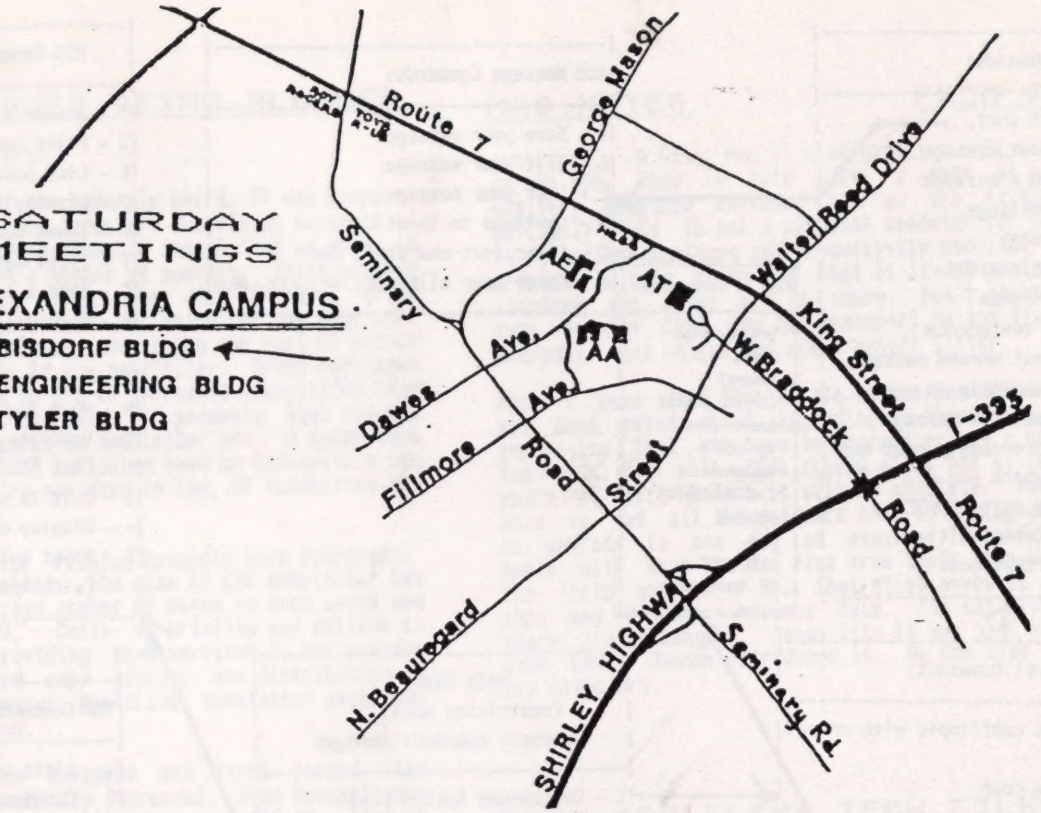
SATURDAY MEETINGS

ALEXANDRIA CAMPUS

AA - BISDORF BLDG

AE - ENGINEERING BLDG

AT - TYLER BLDG



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